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PHOTOGRAPHS

OF

MEDICINAL AND ECONOMIC PLANTS

FROM NATURAL LIVING SPECIMENS.

PLATES, *FIGURES.*

BY

CHARLES L. LOCHMAN,

AUTHOR OF DOSE AND PRICE LABEL BOOK AND TRANSLATOR
OF THE GERMAN PHARMACOPŒIA.

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CHARLES L. LOCHMAN,
BETHLEHEM, PA.
1898.

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List of Photographs of Medicinal and Economic Plants Taken from Natural Living Specimens.

By CHARLES L. LOCHMAN, Bethlehem, Pa.

When the primary name differs from that given in the revised list, prepared by a committee of the Botanical Club, American Association for the Advancement of Science, and published by the Torrey Botanical Club, (New York 1893-94,) its adopted name is added with the prefix of an asterisk (*) and the natural orders follow in the same sequence as in said list.

The photographs are printed on paper 6 1-2 x 8 1-2 inches (16.5 x 21.7 centimeters), and mounted on cards 9 x 12 inches (23 x 30.5 centimeters), having attached a label giving synonyms, natural order, habitat, time of flowering and medicinal properties.

The photographs are of great value in the lecture room, and the first numbers published have been adopted by a number of Medical and Pharmaceutical Colleges in this country, and by the University of France in Europe, as means of describing the medicinal plants. The private student of Botany will also find them very serviceable, and, aside from their scientific interest, as works of art, they are very suggestive to the decorative artist.

FILICES.

1. Aspidium Filix-mas *Sw.*
   * Dryopteris Filix-mas (*L.*) *Schott.*
2. Aspidium marginale *Sw.*
   * Dryopteris marginalis (*L.*) *A. Gray.*

CONIFERÆ.

3. Abies Canadensis *Michx.*
   * Tsuga Canadensis (*L.*) *Carr.*
4. Abies nigra *Poiret.*
   * Picea Mariana (*Mill.*) *B. S. P.*
   Abies Mariana (*Mill.*) Pinus nigra *Ait.*
   Picea nigra *Link.*
5. Juniperus communis *L.*
6. Juniperus Virginiana *L.*

GRAMINEÆ.

7. * Coix Lacryma Jobi *L.*

ARACEÆ.

8. Acorus Calamus *L.*
8. Arisæma triphyllum (*L.*) *Torr.*
10. Symplocarpus fœtidus *Nutt.*
    * Spathyema fœtida (*L.*) *Raf.*

LILIACEÆ.

11. Chamælirium luteum (*L.*) *A. Gray.*
12. Veratrum viride *Ait.*
13. Allium sativum *L.*
14. Lilium candidum *L.*
15. Smilacina racemosa *Desf.*
    * Vagnera racemosa (*L.*) *Morong.*
16. Polygonatum biflorum (*Walt.*) *Ell.*
17. Convallaria majalis *L.*
18. Trillium erectum *L.*
    Trillium pendulum *Willd.*
19. Trillium sessile *L.*
    Trillium viride *Beck.*

MELANTHACEÆ.

20. Colchicum autumnale *L.*
21. Colchicum autumnale in fruit.

DIOSCOREACEÆ.

22. Dioscorea villosa *L.*

IRIDACEÆ.

23. Iris versicolor *L.*
24. Crocus sativus *L.*

ORCHIDACEÆ.

25. Cypripedium acaule *Aiton.*
26. Cypripedium pubescens *Willd.*
    * C. hirsutum *Mill.*
27. Goodyera pubescens *Willd.*
    * Peramium pubescens (*Willd.*) *Mac M.*

MYRICACEÆ.

28. Comptonia asplenifolia *Gaert.*
    * Comptonia peregrina (*L.*) *Coulter.*
    Myrica asplenifolia *L.*
29. Myrica cerifera *L.*

BETULACEÆ.

30. Betula lenta *L.*
31. Alnus serrulata *Willd.*
    * Alnus rugosa (*Du Roi.*) *K. Koch.*

FAGACEÆ. (CUPULIFERÆ.)

32. Castanea vesca var. Americana *Michx.*
    * Castanea dentata (*Marsh.*) *Borkh.*
33. Quercus alba *L.*
34. Quercus coccinea *Wang.*
    and Q. tinctoria. *Q. Velutina *Lam.*
35. Quercus Prinus *L.*
36. Quercus imbricaria *Michx.*
37. Quercus macrocarpa *Michx.*
38. Quercus bicolor *Willd.*
    * Quercus platanoides (*Lam*) *Sudw.*

ULMACEÆ.

39. Ulmus fulva *Michx.*

MORACEÆ. (URTICACEÆ.)

40. Humulus Lupulus *L.*
41. Maclura aurantiaca *Nutt.*
    * Toxylon pomiferum *Raf.*
42. Ficus Carica *L.*

ARISTOLOCHIACEÆ.

43. Asarum Canadense *L.*
44. Aristolochia Serpentaria *L.*

POLYGONACEÆ.

45. Rumex obtusifolius *L.*
46. Rheum officinale *Baillon.*
47. Rheum officinale. Leaf and panicle.

CHENOPODIACEÆ.

48. Chenopodium ambrosioides *L.*
49. Chenopodium anthelminticum *L.*
50. Chenopodium Botrys *L.*
51. Salicornia herbacea *L.*

HYTPOLACCACEÆ.

52. Phytolacca decandra *L.*

CARYOPHYLLACEÆ.

53. Saponaria officinalis *L.*

NYMPHÆACEÆ.

54. Nymphæa odorata *Aiton.*
    * Castalia odorata.

MAGNOLIACEÆ.

55. Liriodendron Tulipifera *L.*

RANUNCULACEÆ.

56. Hydrastis Canadensis *L.*
57. Helleborus viridis *L.*
58. Actæa alba (*L*). *Mill.*
59. Cimicifuga racemosa (*L.*) *Nutt.*

JUGLANDACEÆ

27a Juglans cinerea L.
27b " nigra L.
~~180 a Myrica fistulosa L~~
~~180 b. " pumilata L~~
27c Carya sulcata Nutt.
27d " alba Nutt.
27e " tomentosa Nutt.
27f " microcarpa Nutt.
27g " porcina Nutt.
27h " amara Nutt.

54a Magnolia glauca L
57a Xanthorrhiza apiifolia L'Her

60. Aquilegia Canadensis *L.*
61. Delphinium Consolida *L.*
62. Aconitum napellus *L.*
63. Anemone Pennsylvanica *L.*
    * Anemone Canadensis *L.*
64. Clematis Virginiana *L.*
65. Atragene Americana *L.*
66. Anemone Virginiana *L.*
67. Hepatica triloba *Chaix.*
    * Hepatica Hepatica (*L.*) *Karst.*

BERBERIDACEÆ.

68. Podophyllum peltatum *L.*
69. Caulophyllum thalictroides *Michx.*
70. Berberis vulgaris *L.*

MENISPERMACEÆ.

71. Menispermum Canadense *L.*

CALYCANTHACEÆ.

72. Calycanthus floridus *L.*
    * Buettneria florida (*L.*) *Kearney.*

LAURACEÆ.

73. Sassafras officinale *Nees.*
    * Sassafras Sassafras (*L.*) *Karst.*
74. Lindera Benzoin *Blume.*
    * Benzoin Benzoin (*L.*) *Coulter.*

PAPAVERACEÆ.

75. Sanguinaria Canadensis *L.*
76. Chelidonium majus *L.*
77. Dicentra Canadensis *D. C.*
    * Bicuculla Canadensis (*Goldie.*) *Millsp.*
78. Dicentra Cucullaria *Torr.*
    * Bicuculla Cucullaria (*L.*) *Millsp.*
79. Papaver somniferum *L.*

SARRACENIACEÆ.

80. Sarracenia pupurea *L.*

DROSERACEÆ.

81. Drosera rotundifolia *L.*
82. Dionæa muscipula *Ell.*

CRASSULACEÆ.

83. Penthorum sedoides *L.*

SAXIFRAGACEÆ.

84. Heuchera Americana *L.*
85. Hydrangea arboreseens *L.*

HAMAMELIDACEÆ.

86. Hamamelis Virginica *L.*

ROSACEÆ.

87. Gillenia stipulacea *Nutt.*
    * Porteranthus stipulatus (*Muhl.*) *Britton.*
88. Gillenia trifoliata *Mœnch.*
    * Porteranthus trifoliatus (*L.*) *Britton.*
89. Geum rivale *L.*
90. Prunus serotina *Ehrh.*
91. Prunus serotina and Virginiana (*in fruit*).

LEGUMINOSÆ.

92. Cassia Marilandica *L.*
93. Cytisus Laburnum *L.*
94. Melilotus officinalis (*L.*) *Lam.*

GERANACEÆ.

95. Geranium maculatum (*L*),
96. Geranium Robertianum *L.*
    and G. Carolinianum *L.*

RUTACEÆ.

97. Dictamnus Fraxinella *Persoon.*
98. Ptelea trifoliata *L.*
99. Ruta graveolens *L.*

SIMARUBACEÆ.

100. Ailanthus glandulosa *Desf.*

POLYGALACEÆ.

101. Polygala Senega *L.*

EUPHORBIACEÆ.

102. Ricinus communis *L.*
103. Euphorbia corolatta *L.*
104. Euphorbia marginata *Pursh.*

ANACARDIACEÆ.

105. Rhus Toxicodendron *L.*
    * Rhus radicans *L.*
106. Rhus radicans (*in fruit*).

AQUIFOLIACEÆ.

107. Ilex opaca *Ait.*

CELASTRACEÆ.

108. Euonymus atropurpureus *Jacp.*
109. Celastrus scandens *L.*

STAPHYLACEÆ.

110. Staphylea trifolia *L.*

ACERACEÆ.

111. Acer nigrum *Michx.*
112. Acer Saccharum *Marshall.*
113. Acer dasycarpum *Ehrh.*
    * Acer saccharinum *L.*
114. Acer Pennsylvanicum *L.*
115. Acer spicatum *Lam.*
116. Acer rubrum *L.*
117. Negundo aceroides *Mœnch.*
    * Acer Negundo *L.*
118. Acer platinoides *L.*
119. Acer pseudo-platanus *L.*

HIPPOCASTANACEÆ.

120. Æsculus Hippocastanum *L.*
121. Æsculus Hippocastanum (*in fruit*).

RHAMNACEÆ.

122. Ceanothus Americanus *L.*

VITACEÆ.

123. Ampelopsis quinquefolia *Michx.*
    * Parthenocissus quinquefolia (*L.*) *Planch.*

TILIACEÆ.

124. Tilia Americana *L.*

MALVACEÆ.

125. Althæa officinalis *L.*
126. Gossypium herbaceum *L.*

HYPERICACEÆ.

127. Hypericum perforatum *L.*

VIOLACEÆ.

128. Viola pedata *L.*
129. Viola tricolor *L.*

THYMELEACEÆ.

130. Daphne Mezereum *L.*

ONAGRACEÆ.

131. Œnothera biennis *L.*
    * Onagra biennis (*L.*) *Scop.*

ARALIACEÆ.

132. Aralia nudicaulis *L.*
133. Aralia racemosa *L.*
134. Aralia spinosa *L.*
135. Panax quinquefolium *L.*

UMBELLIFERÆ.

136. Angelica atropurpurea *L.*
137. Eryngium yuccafolium *Michx.*
    * Eryngium aquaticum *L.*
138. Sanicula Marilandica *L.*
139. Anethum Fœniculum *L.*
    * Fœniculum Fœniculum (*L.*) *Karst.*
140, Anethum graveolens *L.*
141. Osmorrhiza longistylis (*Torr.*) *D. C.*
142. Conium maculatum *L.*
143. Carum Carvi *L.*
144. Cicuta maculata *L*,
145. Coriandrum sativum *L.*

CORNACEÆ,

146. Cornus sericea *L.*
    * Cornus Amonum *Mill.*
147. Cornus florida *L.*

79 a Fœniculum officinale L

121 a Rhamnus cathartica L
121 b " Frangula

137 a Sanicula canadensis L

PYROLACEÆ.

148. Chimaphilla maculata (*L.*) *Pursh.*
and C. umbellata (*L.*) *Nutt.*

MONOTROPACEÆ.

149. Monotropa uniflora *L.*

ERICACEÆ.

150. Rhododendron maximum *L.*
151. Kalmia latifolia *L.*
152. Leucothoe racemosa (*L.*) *A. Gray.*
153. Epigæa repens *L.*
154. Gaultheria procumbens *L.*
155. Vaccinium crassifolium *Andr.*

EBENACEÆ.

156. Diospyros Virginiana *L.*

OLEACEÆ.

157. Fraxinus Americana *L.*

LOGANIACEÆ.

158. Spigelia Marilandica *L.*
159. Gelsemium sempervirens (*L.*) *Ait.*

GENTIANACEÆ.

160. Gentiana Andrewsii *Gries.*
161. Gentiana crinita *Froel.*
162. Gentiana quinqueflora *Lam.*
* Gentiana quinquefolia *L.*
163. Menyanthes trifoliata *L.*

ASCLEPIADACEÆ.

164. Asclepias incarnata *L.*
165. Asclepias cornuti *Dec.*
* Ascelpias Syriaca *L.*
166. Asclepias tuberosa *L.*

BORAGINACEÆ.

167. Symphytum officinale *L.*
168. Borrago officinalis *L.*
169. Echium vulgare *L.*

LABIATÆ.

170. Collinsonia Canadensis *L.*
171. Mentha arvensis *var.* piperascens.
172. Mentha piperita *L.*
173. Mentha rotundifolia (*L.*) *Huds.*
174. Mentha viridis *L.*
* Mentha spicata *L.*
175. Lycopus Europæus *L.*
176. Lycopus Virginicus *L.*
177. Hyssopus officinalis *L.*
178. Hedeoma pulegioides (*L.*) *Pers.*
179. Melissa officinalis *L.*
180. Salvia officinalis *L.*
181. Nepeta Cataria *L.*
182. Scutellaria lateriflora *L.*
183. Prunella vulgaris *L.*
184. Marrubium vulgare *L.*
185. Leonurus Cardiaca *L.*

SOLANACEÆ.

186. Hyoscyamus niger *L.*
187. Solanum Dulcamara *L.*
188. Solanum nigrum *L.*
189. Datura Stramonium *L.*
190. Nicotiana Tabacum *L.*
191. Atropa Belladonna *L.*

SCROPHULARIACEÆ.

192. Linaria vulgaris *Mill.*
* Linaria Linaria (*L.*) *Karst.*
193. Chelone glabra *L.*

180 a Mimulus fistulosa L
180 b - Parviflorus L

CONVOLVULACEÆ

166 a Ipomea pandurata

194. Veronica officinalis *L.*
195. Veronica Virginica *L.*
* Leptandra Virginica (*L.*) *Nutt.*
196. Digitalis purpurea *L.*

OROBANCHACEÆ.

197. Epiphegus Virginiana (*L.*) *Bart.*

BIGNONIACEÆ.

198. Catalpa bignonioides *Walt.*
* Catalpa Catalpa (*L.*) *Karst.*

PLANTAGINACEÆ.

199. Plantago major and P. ~~lanceolata~~ *L.* Rugelii

RUBIACEÆ.

200. Rubia tinctorum *L.*
201. Cephalanthus occidentalis *L.*

CAPRIFOLIACEÆ.

202. Sambucus Canadensis *L.*
203. Virburnum prunifolium and V. Lentago *L.*
204. Triosteum perfoliatum *L.*

VALERIANACEÆ.

205. Valeriana officinalis *L.*

DIPSACEÆ.

206. Dipsacus sylvestris *Huds.*

CUCURBITACEÆ.

207. Echinocystis lobata *T. & G.*
* Micrampelis lobata (*Michx.*) *Greene.*
208. Sicyos angulatus *L.*

CAMPANULACEÆ.

209. Lobelia inflata *L.*
210. Lobelia syphilitica *L.*

COMPOSITÆ.

211. Vernonia Noveboracensis *Willd.*
212. Eupatorium perfoliatum *L.*
213. Eupatorium purpureum *L.*
214. Liatris odoratissima *Willd.*
* Trilisa odoratissima (*Walt.*) *Cass.*
215. Erigeron annuus *Pers.*
216. Erigeron Canadensis *L.*
217. Erigeron strigosus *Muhl.*
* Erigeron ramosus (*Walt*) *B. S. P.*
218. Inula Helenium *L.*
219. Ambrosia trifida and A. artemisiæfolia *L.*
220. Achillea Millefolium *L.*
221. Anthemis Cotula and A. arvensis *L.*
222. Anthemis nobilis *L.*
223. Matricaria Chamomilla *L.*
224. Tanacetum vulgare *L.*
225. Artemisia Absinthium *L.*
226. Artemisia Abrotanum *L.*
227. Artemisia annua *L.*
228. Artemisia vulgaris *L.*
229. Tussilago Farfara *L.*
230. Calendula officinalis *L.*
231. Erechthites hieracifolia *Raf.*
232. Lappa officinalis *Allioni.*
* Arctium Lappa *L.*
Lappa major *Gært.*
233. Cnicus benedictus *L.*
234. Carthamus tinctorius *L.*

(*CICHORIACEÆ.)

235. Cichorium Intybus *L.*
236. Taraxacum Dens-leonis *Desf.*
* Taraxacum Taraxacum (*L.*) *Karst.*
237. Nabulus albus *Hook.*
* Prenanthes alba *L.*

232 a Helianthus tuberosus L.
199 a Plantago lanceolata L
203 a Viburnum pubes L